Emergency Management Program – Sampling/Detection

LCDR K. Buchanan

Role of Sampling

- Determine Hazard
- Forensic Evidence
- Health and Safety of Responders
- Risk Management/Communication
- Force Health Protection

CONOPS Development

- What equipment
- Who should be equipped/trained
  - Presumptive
  - Confirmatory
  - Definitive
- When should the tests be performed
- Where tests will be conducted and by whom

Testing Levels

- Presumptive – Non-specific, but conducted by a trained individual using proper procedures (ie: Draeger Tubes, ICAMs)
- Confirmatory – More specific, but may be able to be done in the field (HAPSITE, FTIR)
- Definitive – “Gold Standard”, certified laboratory, analysis conducted by trained personnel

Sampling Procedures

- Evidence Collection – Draft EMP has guidance
- Environmental Sampling – No guidance written
- Personnel Monitoring – No guidance within the EMP

Equipment – Tiered Approach

- Level of Equipment determined by the level of EM Capability the base has
- Fed Fire/HM Spill Response teams have the majority of the equipment
- Routine IH equipment and techniques can be used to assist

Equipment

Authorized

NAVFAC 3440.17

Port. M-22

CAM

M8 Paper

M9 Paper

M256A1

M-272

DT-60

IM-9/107/143

CP 95/PP-4776

AN/PDR-27

ANPDR-43

LIMITED

NFRP

Port. M-22

DFU

HHAs

ICAM

APD-2000

M-256A1

M8 Paper

M9 Paper

M-272

AN/PDQ-1

TEST BED

JSIPP

Fixed M-22

Portable M-22

Fixed DFU

Portable DFU

ICAM

AN/PDR-77

Portal Shield

EM PROGRAM

OPNAV 3440.17

Port M-22

Port DFU

HHAs

ICAM

Draeger CDS

Multi-Rae/Q-Rae

AN/PDQ-1

DMS-2000

HAPSITE*

RAPIDS*

JPM Guardian

DoD CONOPS

Fixed M-22

Port M-22

Fixed DFU

Port DFU

ICAM

M-272

AN/PDR-77

AN/UDR-13

Rad. Portals

QUESTIONS?